

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT


**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

B & M Septic Tank Inc.
Joshua Branscome
1395 Hwy 704 E
Lawsonville, NC 27022

is hereby issued a permit to operate Septage Land Application Site with permit #SLAS-85-11 located on SR#1622 in Stokes County in approximate position 36.52618° N latitude and -80.08714° W longitude. The site is to be operated in accordance with 15A NCAC 13B .0800 Septage Management, the information stated in the approved application, and the conditions of this permit. The unauthorized disposal of any liquid or solid wastes other than those specified in the conditions of this permit will be considered a violation of the conditions of this permit. Failure to comply with the conditions of this permit may result in permit suspension, permit revocation, action for injunctive relief, administrative penalties, or other remedies as provided in G.S. 130A, Article 1., Part 2.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in affect at the time of review.

Date Issued 5/12/11



Michael E. Scott, Chief
Solid Waste Section

Permit Conditions:

1. This permit shall become voidable if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of the surface waters and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Joshua Branscome and approved by the Division. The site contains approximately 11.71 acres that is divided into Field 1 (3.50 acres), Field 2 (3.19 acres) and Field 3 (5.02 acres). The 30 day waiting period between the last application of septage and the harvest of a crop shall be met by rotating between the three fields. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Joshua Branscome and approved by the Division. Any site improvements noted in the plan must be installed within 30 days of plan approval. The site shall be operated and erosion and runoff control measures maintained in such a manner as to prevent migration of wastes off of the designated waste receiving site. The installation of groundwater monitoring wells may be required.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state and federal) which have jurisdiction. It is the responsibility of the permittee to be in compliance with the requirements of 40 CFR 503.
5. This permit may be modified or reissued to incorporate any conditions, limitations and monitoring requirements of the Division of Waste Management deems necessary to adequately protect the environment and public health.
6. **This site is only permitted for the land application of domestic septage (including portable toilet waste) and grease septage.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 11.71 acres that are available for septage land application.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total maximum annual application rate of 585,500 gallons. This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 11,259 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner as to have no standing water when the discharge is complete. Septage shall not be applied during periods of high soil moisture.

Operator: Joshua Branscome
SLAS #: 85-11
County: Stokes

Page 3 of 3

10. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the permittee shall discharge septage at this site without prior appropriate notification and written approval of the Division of Waste Management.
11. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure.
12. **This permit shall expire on May 12, 2016.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838(e)(1) of the NC Septage Management Rules and 40 CFR Part 503.17(b) of the Federal Register. This permit is non-transferable.
13. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division of Waste Management upon request.
14. Any duly authorized officer, employee, or representative of the Division of Waste Management may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
15. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site.
16. The areas which can be used for land application of septage shall be maintained at least 500 feet from any existing wells, residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 12, 2011

Mr. Joshua Branscome
B & M Septic Tank Inc.
1395 Hwy 704 E
Lawsonville, NC 27022

**RE: SLAS permit renewal
B & M Septic Tank Inc.
SLAS-85-11
SR#1622 in Stokes County**

Dear Mr. Branscome:

The NC Division of Waste Management has reviewed your application to renew a Septage Land Application Site permit in Stokes County. Your application has been approved and your permit, # SLAS-885-11, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 12, which states that you will need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17(b). This permit condition also states that this permit is valid until May 12, 2016. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have prior approval from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

If you have any questions, please contact me at (910) 433-3352 or Michael Scott at (919) 508-8497.

Sincerely,

Connie Wylie, Soil Scientist
Composting & Land Application Branch

Enclosures

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
401 Oberlin Rd., Ste. 150, Raleigh, N.C. 27605



I. Site and Operator Information

1. Applicant B & M Septic Tank INC
Address 1395 NC Hwy 704 E
Lanesville NC 27022
Phone 336-403-2791

2. Contact person for site operation (if different from applicant):
Title or position [REDACTED] Phone [REDACTED]
Address [REDACTED]

3. Landowner
Address 1426 Peter Nabe Rd
Daubury NC

4. Site Location: County Stokes State Road Number 1622
Directions to site: Hwy 704 W to Sandy Ridge (72) Armstrong Rd
(1/2) Bentley School Rd site on right approx 2 miles

5. Indicate whether request is: new _____ renewal ☒ modification _____

For a permit renewal or modification, provide the following information:

Existing site permit number: SWS 85-11 permit expiration date: 1-29-11

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 11.67
acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None ☒, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). *If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.*

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)

RECEIVED

DEC 02 2010

DENR - FAYETTEVILLE REGIONAL OFFICE

II. Site Management Information:

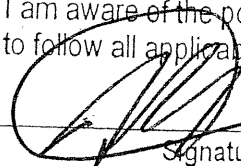
The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): Archie Elledge WWTP
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks ✓
 - (b) Grease trap pumpings ✓
 - (c) Portable toilet waste ✓
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Lime monitoring PA Readings
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Spreader Attached to back of truck
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): Site is Agriculture

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.



Signature***
Josh Brawson

Print name

10-20-10

Date
10-20-10 / Owner

Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0821(e) of the N.C. Septage Management Rules.

** Refer to Section .0821(g) of the N.C. Septage Management Rules.

***Signature of company official required.

RECEIVED

DEC 02 2010

DENR - FAYETTEVILLE REGIONAL OFFICE

Attachment to Application for a Permit to Operate a Septage Land Application Site.

#3 Landowner name Connie Stephens

Landowner address 1313 Snow Hill Ch Rd
Danbury NC 27016

#3 Alternative Disposal
WWTP Walnut Cove WWTP
SDTF SLAS-85-11

#5 Proposed treatment method of each type of septage to be land applied.

Enough hydrated lime shall be added to domestic septage to raise the pH to 12 or higher and remain at 12 or higher for a half hour prior to land application. Enough hydrated lime shall be added to grease septage to raise the pH to 12 or higher and remain at 12 or higher for two hours prior to land application. All septage shall be at pH 12 or higher for land application to occur.

#6 Proposed method of applying septage to land.

All septage shall be discharged from a moving truck.

Johna D. Pearson
Signature

5-10-2011
Date

RECEIVED

MAY 24 2011

GENR -FAYETTEVILLE REGIONAL OFFICE

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
401 Oberlin Rd, Ste. 150, Raleigh, N.C. 27605



I, Corrie B. Stephens (name of site owner) hereby certify that I am the owner of
68 acres of land located Bersley School Rd Sandy Ridge NC
and identified by Parcel # 608100014739 (book and page of recorded deed or
tax map parcel) and that I agree to allow Josh Branscom B: M Septic (name of site operator)
to use said land for septage land application for a period of 15 yrs (length of time),
beginning 11/1/09 (month, day and year) and that I have read the North
Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on land
use after septage land application ends **. I further understand that no septage may be land applied until
the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with _____

(names of all co-owners, or state none).

Signature of landowner Corrie B. Stephens Date 11/15/10

Signature of landowner _____ Date _____

Sworn to and subscribed before me this 16th day of November, 2010.

Donna H. Shoop
(Notary Public)

(OFFICIAL SEAL)

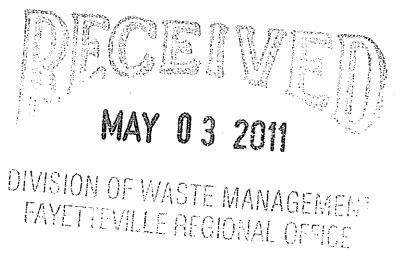
My Commission expires July 16, 2014

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0826

RECEIVED
DEC 02 2010
DENR - FAYETTEVILLE REGIONAL OFFICE

Nutrient Management Plan
B & M Septic Tank INC
1395 NC HWY 704 East Lawsonville NC



Site Location- SR # 1622
Permit Number- 85-11

General Information

1. Periodic sampling (at least 2/year) of the septage will be conducted for waste analysis.
2. Refer to enclosed maps of site. Site is divided into three sections with fescue covering all fields. The total consists of ~~14~~ ^{11.71} acres.
3. Dominant soil series at site is Cecil-Pacolet
4. Septage will not be applied where site is untrafficable. Un trafficable is defined as soil that will not allow a loaded truck to leave a depression greater than 3 inches in depth.
5. Septage storage is provided to account for the average volume of septage pumped per week. Adequate storage is available with (1) 6000 gallon metal tank, (1) 10,000 gallon fiberglass tank, , (1) 12,000 metal tank.

Crops to be grown and approximate planting times:

Fescue is established and maintained on entire site. Fields are harvested for hay. Entire field, including buffer zones, will have a good stand of fescue before septage application begins. Routine maintenance and cropping practices will be needed to maintain stand of fescue. Fescue is to be routinely reseeded at least every two years preferably in the late summer August 25- September 15(alternate dates March 1-31 or august 25- October 31) Fescue can be broadcast at 15-20 pounds per acre or drilled with 10-15 pounds per acre. Additionally, if the ground coverage by fescue falls to less than 85% then reseeding will be done at the next recommended date and rate as previously stated.

Nitrogen for Crops Grown

R.Y.E = Realistic yield Expectations

N App. Rate + Suggested N application rate based on R.Y.E for soil type

RECEIVED
MAY 03 2011

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

Crop (Cut for Hay)	R.Y.E	N.App Rate	Reduction Rate	lbs Per acre
Fescue	3.0 Tons/A	45 lbs N/Dry x	0.00 =	135

Relative Application Rate

January	Low
February	Medium
March	High
April	High
May	Medium
June	Low
July	Low
August	Low
September	Medium
October	Medium
November	Medium
December	Low

None- 0 gallons

Low- 5000 Gallons

Medium-10, 000 gallons

High- 15,000 gallons

NOTE: Cumulative application rate is not to exceed the permitted application rate

Application Method

The preceding information is based on septage being evenly applied over the entire permitted site by vacuum truck equipped with splashboard attachment. Approximately 50LB of limestone will be added per 1000 gallons of septage to achieve a desired pH of 12.0 or higher. The septage will remain in this high pH environment 30 minutes prior to application.

RECEIVED
MAY 03 2011

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

Additional Fertility Requirements

The sites and buffer areas will be fertilized according to soil sample recommendations. Yearly sampling will be done and adjusted according to sample recommendations. NOTE: taking into consideration the phosphorus from the septage analysis, if an analysis is available, can reduce the phosphorus requirement.

Harvest of crops and their use

The fescue on each site will be cut as hay when it reaches approx 12 inches in height. Or about every 4-6 weeks beginning in May. Approx. 3-4 harvests can be expected.

The hay will be cut after waiting 30 days from the last septage application. The hay will be sold as feed or used as mulch. Septage applications will be made to other permitted sites or stored during the 30-day no-application waiting period from application to harvest.

Land application will be rotated between 3 fields on 30-day increments, this will allow for the 30-day wait for harvest of crop.

RECEIVED
MAY 03 2011
DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

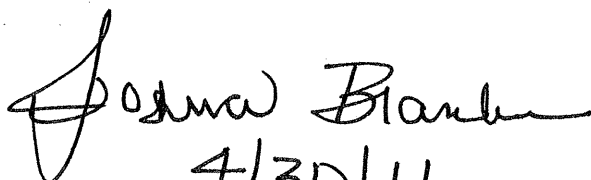
Soil Erosion and Runoff Plan

Both sites have in place adequate structures to keep soil erosion and surface runoff under allowable limits. No additional control measures should be needed.

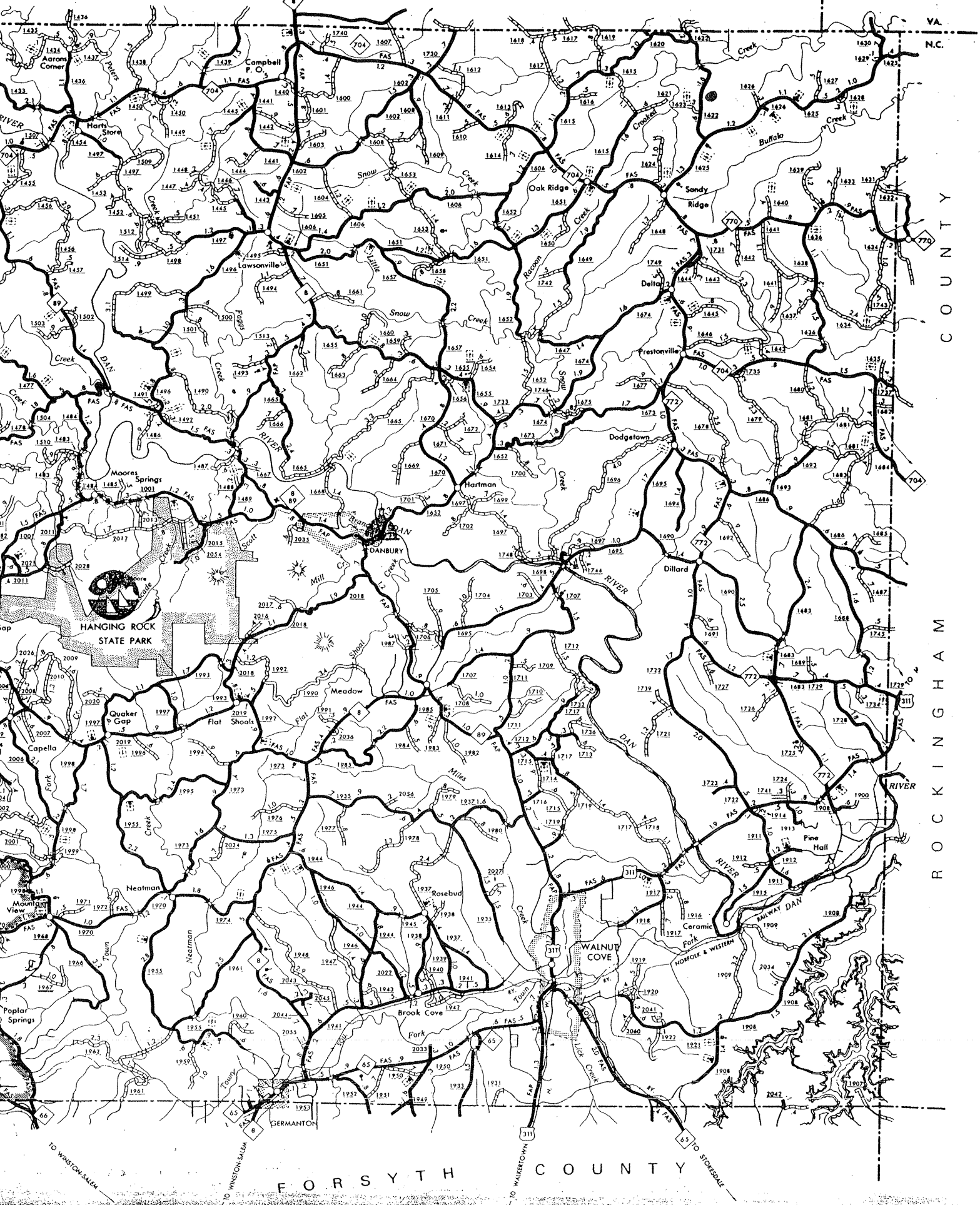
Each site will have permitted waste spreading area clearly marked. With boundary markers in place and buffer zones on the lower sides, the minimum allowable distances from streams and buildings are maintained. Septage applied within the marked limits should not cause any runoff problems.

The fields will be planned for complete ground coverage. In the future should and fields have less than 85% stand of fescue, they will be overseeded with fescue according to recommendations from the Cooperative Extension Service listed on the previous page.

Please see map enclosed.


4/30/11

STATE OF VIRGINIA



VA.
N.C.

ROCKINGHAM COUNTY

ROCKINGHAM COUNTY

ROCKINGHAM COUNTY

FORSYTH COUNTY

TO WINSTON-SALEM

TO WALKERTOWN

TO STOKELY



Field 3

5.02
acres

50'

Field 2

3.19
acres

50'

Field 1

3.50
acres

70'

50'